Luca Marmo

List of Publications by Year
in descending order

31 papers	767 citations	516710 16 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	636 citing authors

#	Article	IF	Citations
1	Thermal stability and flame resistance of cotton fabrics treated with whey proteins. Carbohydrate Polymers, 2013, 94, 372-377.	10.2	157
2	A critical comparison of frictional stress models applied to the simulation of bubbling fluidized beds. Chemical Engineering Science, 2009, 64, 2795-2806.	3.8	78
3	Aluminium dust explosion risk analysis in metal workings. Journal of Loss Prevention in the Process Industries, 2004, 17, 449-465.	3.3	54
4	Minimum Ignition Temperature of layer and cloud dust mixtures. Journal of Loss Prevention in the Process Industries, 2015, 36, 326-334.	3.3	52
5	Low temperature drying of pomace in spout and spout-fluid beds. Journal of Food Engineering, 2007, 79, 1179-1190.	5.2	37
6	Case study of a nylon fibre explosion: An example of explosion risk in a textile plant. Journal of Loss Prevention in the Process Industries, 2010, 23, 106-111.	3.3	33
7	Explosibility of metallic waste dusts. Chemical Engineering Research and Design, 2017, 107, 69-80.	5.6	29
8	Minimum ignition energy of nylon fibres. Journal of Loss Prevention in the Process Industries, 2008, 21, 512-517.	3.3	25
9	Small magnitude explosion of aluminium powder in an abatement plant: A telling case. Chemical Engineering Research and Design, 2015, 98, 221-230.	5.6	23
10	Predicting the pressure drop across the solids flow rate control device of a circulating fluidized bed. Powder Technology, 2006, 161, 89-97.	4.2	21
11	Explosibility of polyamide and polyester fibers. Journal of Loss Prevention in the Process Industries, 2013, 26, 1627-1633.	3.3	21
12	Opening Study on the Development of a New Biosensor for Metal Toxicity Based on Pseudomonas fluorescens Pyoverdine. Biosensors, 2013, 3, 385-399.	4.7	20
13	Study of the explosible properties of textile dusts. Journal of Loss Prevention in the Process Industries, 2018, 54, 110-122.	3.3	20
14	Recursive operability analysis of a complex plant with multiple protection devices. Reliability Engineering and System Safety, 2002, 77, 301-308.	8.9	18
15	Dust explosion risk in metal workings. Journal of Loss Prevention in the Process Industries, 2019, 61, 195-205.	3.3	18
16	CFD simulation of turbulent flow field, feeding and dispersion of non-spherical dust particles in the standard 20â€L sphere. Journal of Loss Prevention in the Process Industries, 2019, 62, 103983.	3.3	16
17	Rational engineering of the lccÎ² T. versicolor laccase for the mediator-less oxidation of large polycyclic aromatic hydrocarbons. Computational and Structural Biotechnology Journal, 2021, 19, 2213-2222.	4.1	16
18	Dust explosion hazard in the textile industry. Journal of Loss Prevention in the Process Industries, 2019, 62, 103935.	3.3	15

#	Article	IF	Citations
19	Major accident hazard in biodiesel production processes. Safety Science, 2019, 113, 490-503.	4.9	15
20	PHA Production from Cheese Whey and â€œScottaâ€: Comparison between a Consortium and a Pure Culture of Leuconostoc mesenteroides. Microorganisms, 2021, 9, 2426.	3.6	14
21	Missing safety measures led to the jet fire and seven deaths at a steel plant in Turin. Dynamics and lessons learned. Journal of Loss Prevention in the Process Industries, 2013, 26, 215-224.	3.3	12
22	A statistical approach to determine the autoignition temperature of dust clouds. Journal of Loss Prevention in the Process Industries, 2018, 56, 181-190.	3.3	9
23	FLAME: A Parametric Fire Risk Assessment Method Supporting Performance Based Approaches. Fire Technology, 2021, 57, 721-765.	3.0	9
24	A model for the pressure balance of a low density circulating fluidized bed. Chemical Engineering Journal, 2008, 140, 414-423.	12.7	8
25	Recursive Operability Analysis as a decision support tool for Risk-Based Maintenance. Journal of Loss Prevention in the Process Industries, 2009, 22, 557-565.	3.3	8
26	Multiple Tank Explosions in an Edible-Oil Refinery Plant: A Case Study. Chemical Engineering and Technology, 2013, 36, 1131-1137.	1.5	8
27	Effect of particle size distribution, drying and milling technique on explosibility behavior of olive pomace waste. Journal of Loss Prevention in the Process Industries, 2021, 71, 104423.	3.3	8
28	Energy Recovery from Vinery Waste: Dust Explosion Issues. Applied Sciences (Switzerland), 2021, 11, 11188.	2.5	6
29	On the flammable behavior of non-traditional dusts: Dimensionless numbers evaluation for nylon 6,6 short fibers. Journal of Loss Prevention in the Process Industries, 2022, 78, 104815.	3.3	6
30	The explosion of non-nano iron dust suspension in the 20-l spherical bomb. Journal of Loss Prevention in the Process Industries, 2021, 71, 104447.	3.3	4
31	Two Aluminum Powder Explosions, that Occurred in Superficial Finishing Plants. , 2004, , 3402-3407.		3